

Converting Colors

CIELCh(31, 57.072, 357.647)

Have a look what the booklet for
CIELCh(31, 57.072, 357.647)
contains.

CIELCh(31, 56.586, 357.379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(31, 56.586, 357.379)

Conversions

Conversions Part 1

Format	Color
Hex	92004F
RGB	146, 0, 79
RGB Percent	57%, 0%, 31%
CMY	0.4281, 1.0000, 0.6907
CMYK	0.00, 1.00, 0.46, 0.43
HSL	328°, 100%, 29%
HSV	328°, 100%, 57%
XYZ	13.2281, 6.6515, 7.9585
YIQ	52.6600, 61.6570, 55.5210

Conversions

Conversions Part 2

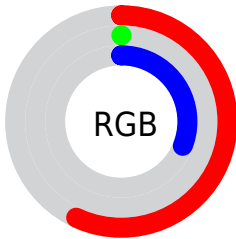
Format	Color
RYB	146, 0, 79
Decimal	9568335
CIELab	31.00, 56.53, -2.59
CIELCh	31, 56.586, 357.379
Yxy	6.6515, 0.4752, 0.2389
Android (android.graphics.Color)	4287758415 (0xFF92004F)
YUV	52.6600, 12.9856, 81.8592
Hunter-Lab	25.7905, 46.4200, -0.2426

Details

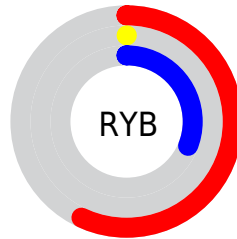
The CIELCh color **31, 56.586, 357.379** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **53, 60.573, 147.650**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 56.523, 357.553**, and **17, 39.189, 8.163** is the 20% darker color. If you saturate the color by 10%, you get **31, 56.535, 357.402**, and if you desaturate by 10%, it is **32, 55.175, 354.288**.

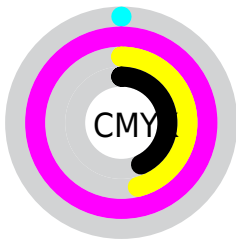
Distribution



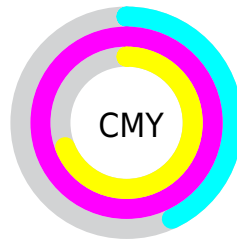
- Red (57%)
- Green (0%)
- Blue (31%)



- Red (57%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (43%)





- Cyan (43%)
- Magenta (100%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 56.586, 357.379 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 31, 56.586, 357.379 by changing the saturation by 10% instead.


 31, 56.586,
357.379


 31, 56.586,
357.379

 100, 56.586,
357.379


 21, 56.586,
357.379

 51, 56.586,
357.379


 11, 56.586,
357.379


 61, 56.586,
357.379

 1, 56.586, 357.379

 71, 56.586,
357.379

 0, 56.586, 357.379

 81, 56.586,
357.379

 91, 56.586,
357.379

■ 31, 56.586,
357.379

■ 31, 56.586,
357.379

■ 31, 56.535,
357.402

■ 32, 55.175,
354.288

■ 33, 52.672,
351.645

■ 36, 48.589,
349.530

■ 38, 43.161,
347.811

■ 41, 36.740,
346.380

■ 45, 29.682,
345.158

■ 48, 22.289,
344.089

■ 52, 14.785,

343.134

■ 56, 7.325, 342.257

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31, 56.586, 357.379



53, 60.573, 147.650

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31, 56.586, 357.379



31, 56.586, 47.379



31, 56.586, 177.379



31, 56.586, 227.379

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31, 56.535, 357.402



62, 27.505, 344.150



21, 82.990, 311.029



30, 18.709, 344.538



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31, 56.535, 357.402



41, 68.183, 358.242



30, 66.512, 37.263



29, 4.182, 342.189



29, 54.260, 357.190



1, 3.622, 341.513

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31, 56.535, 357.402



41, 68.183, 358.242



54, 34.424, 189.137



29, 4.182, 342.189



29, 54.260, 357.190



1, 3.622, 341.513

Previews

White Background



This preview shows how the CIELCh color 31, 56.586, 357.379 looks on a white background.

Color Contrast Check

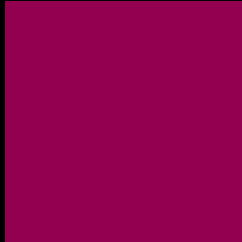
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 31, 56.586, 357.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

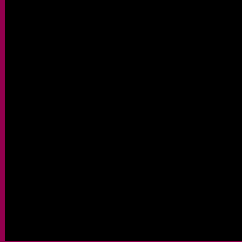
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 31, 56.586, 357.379

Background



This preview shows how black text looks on a background with the CIELCh color 31, 56.586, 357.379.



This preview shows how white text looks on a background with the CIELCh color 31, 56.586, 357.379.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31, 56.586, 357.379

Protanopia

32, 24.792, 285.044

Deuteranopia

33, 4.974, 27.350



Tritanopia
32, 54.314, 31.996

Trichromacy



Original Color
31, 56.586, 357.379

Protanomaly
28, 37.391, 322.411

Deuteranomaly
29, 30.549, 351.592

Tritanomaly
31, 53.218, 18.851

Monochromacy



Original Color
31, 56.586, 357.379

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 28.654, 348.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 56.586, 357.379 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(146, 0, 79)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 79)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(146, 0, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 56.586, 357.379 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(146, 0, 79) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(146, 0, 79) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(146, 0, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(146, 0, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 56.586, 357.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 79) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(146, 0,  
79) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor